



Lincoln County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromomethane	6	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	6	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	1,177	0.5	477	3.4	10	µg/L	40	3.40%		
Barium	595	50	50	50	2,000	µg/L	0	0.00%		
Benzene	6	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	597	0.5	40	0.6	5	µg/L	1	0.17%		
Chromium	595	0.5	400	6.3	100	µg/L	1	0.17%		
cis-1,2-Dichloroethene (c-DCE)	16	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	1,176	25	11,000.00	89.70	1,300*	µg/L	16	1.36%		
Ethylbenzene	10	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	2,771	100	14,809,000.00	5,743.30	4,000*	µg/L	8	0.29%		
Iron	1,166	0	27,800.00	557.80	300*	µg/L	263	22.56%		
Isopropyl Ether	6	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	1,183	2.5	283	4.1	15	µg/L	27	2.28%		
Magnesium	1,175	12,200	139,200.00	14,088.30	No drinking water standard	µg/L				
Manganese	1,177	15	670	33.8	50*	µg/L	168	14.27%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	549	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	18	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	490	500	12,000.00	1,124.80	10,000	µg/L	0	0.00%		
Nitrite	505	50	50	50	1,000	µg/L	0	0.00%		
pH	1,176	0	10.9	6.9779	6.5-8.5*	standard units	18	1.53%	249	21.17%
Selenium	595	2.5	8.7	2.5	50	µg/L	0	0.00%		
Silver	595	25	25	25	100*	µg/L	0	0.00%		
Sodium	488	1,000	1,592,000.00	26,714.80	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	14	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	8	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	16	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	16	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	16	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	6	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	1,166	5	10,040.00	166.60	5,000*	µg/L	3	0.26%		

* **Secondary MCL:** Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.⁸ The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.⁸

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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